ABSTRACT

The instant invention provides β_3 adrenergic receptor agonists of structural Formula (I),

$$R_{1}$$
 R_{1}
 R_{3}
 R_{4}
 R_{3}
 R_{4}
 R_{5}
 R_{7}
 R_{7}

5

10

15

20

25

the stereoisomers and prodrugs thereof, and the pharmaceutically acceptable salts of the compounds, stereoisomers and prodrugs, wherein Ar, R, R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, X, and Y, are as defined herein.

The invention further provides intermediates useful in the preparation of the compounds of Formula (I), to combinations of the compounds of Formula (I), the stereoisomers and prodrugs thereof, and the pharmaceutically acceptable salts of the compounds, stereoisomers and prodrugs, with anti-obesity agents; to pharmaceutical compositions comprising the compounds of Formula (I), the stereoisomers and prodrugs thereof, and the pharmaceutically acceptable salts of the compounds, stereoisomers and prodrugs, or pharmaceutical compositions comprising the compounds of Formula (I), the stereoisomers and prodrugs thereof, and the pharmaceutically acceptable salts of the compounds, stereoisomers and prodrugs, and anti-obesity agents; and methods of treating β_3 adrenergic receptor-mediated diseases, conditions, or disorders in a mammal which methods comprise administering to the mammal an effective amount of a compound of Formula (I), a stereoisomer or prodrug thereof, or a pharmaceutical composition thereof; or a combination of a compound of Formula (I), a pharmaceutically acceptable salt of the compound, stereoisomer, or prodrug, and an anti-obesity agent, or a pharmaceutical composition thereof.